#12 AWG XHHW TRAY CABLE TYPE TC / TC-ER-JP-600V/1000V XHHW-2 INSULATION-PVC JACKET

APPLICATIONS

Primarily used for power, control, signal, communication, and lighting circuits in commercial and industrial environments. Suitable for installations in cable trays, supported by messenger wire in open air, raceways, channels, conduits and ducts. Approved for direct burial applications and outdoors in cable trays where sunlight resistant is required. Also may be installed in wet or dry locations. Applications not exceeding 600 volts.

CONDUCTORS:

Concentric stranded soft drawn annealed bare copper per ASTM B3 and B8 compressed in class B stranding.

INSULATION:

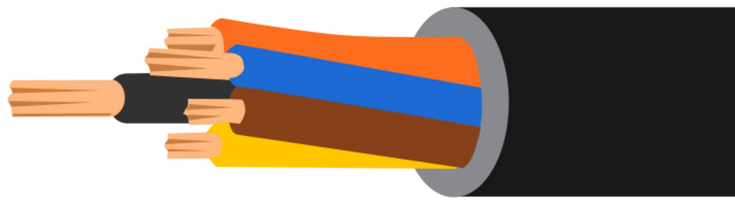
Flame retardant Cross- linked Ployethylene (XLPE), heat and moisture-resistant, VW-1 rated, Gasoline and Oil Resistant II

ASSEMBLY:

The insulated conductors are cabled together with a binder tape. Nylon rip-cord is supplied for easy stripping.

COLOR CODE:

ICEA Method 1, Table E-2



JACKET:

Flame retardant, sunlight-resistant, Black PVC jacket extruded over the assembly, rated 90*C, WET/DRY

STANDARDS:

- UL 1277, UL 44
- UL listed as Type TC or Exposed Run TC-ER-JP, Sunlight Resistant, Direct Burial
- UL 1685 Vertical-Tray Fire Propagation and Smoke Release test
- Flame Rated FT4 IEEE 1202 (70,000 BTU)
- ICEA S-95-658/ NEMA WC-70
- ASTM B3, ASTM B8
- NEC Article 336, Article 501, Article 725 for class 1 circuits

OPTIONS:

- Other available color codes: ICEA Method 1 Table E-1 or ICEA Method 4 or custom colors and print legend
- Tinned conductors
- Solid condutors
- Composite constructions
- Overall mylar wrapping
- Jacket available in 12 colors
- Custom lengths

ARRA 2009 Section 1605 " Buy American" Compliant, BABA Compliant

Cond #	Color	Tracer	Cond #	Color	Tracer	Cond #	Color	Tracer
1	Black	--	13	Blue	Red	25	Yellow	Orange
2	Red	--	14	Orange	Red	26	Brown	Orange
3	Blue	--	15	Yellow	Red	27	Black	Yellow
4	Orange	--	16	Brown	Red	28	Red	Yellow
5	Yellow	--	17	Black	Blue	29	Blue	Yellow
6	Brown	--	18	Red	Blue	30	Orange	Yellow
7	Red	Black	19	Orange	Blue	31	Brown	Yellow
8	Blue	Black	20	Yellow	Blue	32	Black	Brown
9	Orange	Black	21	Brown	Blue	33	Red	Brown
10	Yellow	Black	22	Black	Orange	34	Blue	Brown
11	Brown	Black	23	Red	Orange	35	Orange	Brown
12	Black	Red	24	Blue	Orange	36	Yellow	Brown

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#12 AWG XHHW TRAY CABLE

AWG	Number of Conductors	Jacket Thickness (mils)	Overall Diameter (in)	Approx Net Weight (lbs./1000')
12	2*	45	0.35	77
12	3	45	0.39	110
12	4	45	0.42	139
12	5	60	0.46	165
12	7	60	0.50	217
12	8	60	0.55	250
12	9	60	0.62	297
12	10	60	0.67	324
12	12	60	0.69	377
12	15	80	0.76	480
12	16	80	0.77	489
12	19	80	0.80	568
12	20	80	0.89	642
12	25	80	1.01	775
12	30	80	1.03	910
12	37	80	1.10	1100

* NOT TC-ER RATED